

GI, HEPATOBILIARY, METABOLISM & NUTRITION

WEEK: 1

	Mon 07 May	Tue 08 May	Wed 09 May	Thur 10 May	Fri 11 May
0730	Military Studies ANTIETAM MARCH	Module Overview 7:30-8:00	APG 8:20 Esophagus Structure, Swallowing/ Esophageal Motility	APG 9:20 Oral Cavity Esophagus Histology Laboratory	RAD 8:20 Upper GI & Abdominal Imaging
0830		SUR CONRAN/GRAHAME 9:20 Gross Anatomy Review of the Abdomen	(LE) APG 9:20 Intro/Oral Cavity & Salivary Gland Secretion II		LATTIN (LE) PAT 9:20 Upper GI Pathology
0930		WELLING (LE) APG 10:20 Embryology of the GI Tract	ROTHWELL (LE) APG 10:20 Stomach Structure/Acid Secretion	STAFF (LA) 10:20 Feed/Starve Cycle Overview	CONRAN (LE) PAT 11:20 GI Laboratory Barrett Esophagus, Squamous Cell Carcinoma of Esophagus, Adenocarcinoma of Stomach, Chronic Peptic Ulcer Disease
1030		BORST (LE) APG 11:20 Intro Oral Cavity & Salivary Gland Secretion I	MIC (LE) 11:20 Upper GI Infections: Esophagitis and Gastritis	ROSEMAN (LE) BIO 11:20 Digestion, Absorption and Transport of Carbohydrates	
		ROTHWELL (LE)	MERRELL (LE)	ROSEMAN (LE)	STAFF (LA)
1300		ICR 13:30 Dysphagia	DEAN'S TIME/Self-Directed Study	PMB 13:50 Oral Hygiene: Preventive Dentistry	DEAN'S TIME/Self-Directed Study
1400		ICR Cases: Pediatric Growth Disorders Group I 14:50 Group II 16:10 Group III 17:30		DEAN'S TIME/Self-Directed Study	
				ROSEMAN (LE)	
1500		DEAN'S TIME/ Self-Directed Study (CO) MDL			

Note MIC
Pharyngeal
infections

Review prior
material

19.0 hours

Conran/Grahame 4-28-2011 DRAFT

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WEEK: 2

	Mon 14 May	Tue 15 May	Wed 16 May	Thur 17 May	Fri 18 May
0730	MILITARY Studies 7:30-8:20 Physiology of the Battlefield	APG 7:30-8:20 Intestine Structure, Absorption of Ions and Nutrients	MILITARY Studies 7:30-8:20 Op Risk Mgmt 1: Op Tailgate	APG 7:50-9:20 Stomach, Intestines and Pancreas Histology Laboratory	RAD 7:30-8:20 Lower GI Imaging
0830	STEELE (LE) SUR 8:30-9:20 Visceral and Endoscopic Anatomy	AGOSTON (LE) APG 8:30-9:20 Intestine Structure, Absorption of Ions and Nutrients	(LE) APG 8:30-9:20 Stomach and Intestinal Motility		LATTIN (LE) PAT 8:30-9:20 Lower GI Pathology
0930	RAT WELLS (LE) 9:30-11:20 Upper GI: Dysphagia, Peptic Ulcer Disease/Chronic Gastritis &	AGOSTON (LE) BIO 9:30-10:20 Metabolism of Fructose, Galactose and Glycerol	ROTHWELL (LE) MIC 9:30-10:20 Lower GI Infections I. Pathogenic E. coli, Shigella, Salmonella, Yersinia	STAFF (LA) MIC 9:30-10:20 Lower GI Infections III: C. difficile, B. cereus, Listeria, Staph	CONRAN (LE) PAT 9:30-11:20 GI Laboratory
1030	Lower GI: Diarrhea, Malabsorption, Acute Abdomen	ROSEMAN (LE) BIO 10:30-11:20 The Pentose Phosphate Pathway	MIC (LE) 10:30-11:20 Lower GI Infections II. Campylobacter, Vibrio	enteritis BIO 10:30-11:20 Digestion and Transport of Dietary Lipids	of the Colon, Hirschprung Disease, Infectious Diarrhea, Celiac Disease, Crohn Disease
	SMALL GROUP (CO)	ROSEMAN (LE)	JERSE (LE)	ROSEMAN (LE)	STAFF (LA)
1300	ETHICS 13:00-14:50 Physician in Society	ICR 13:30 Pediatric Growth DOs	DEAN'S TIME/Self-Directed Study	MILITARY Studies Op Risk Mgmt: Hazard ID Company A 13:00-13:50 Company B 14:00-14:50	DEAN'S TIME/Self-Directed Study
1400		ICR Cases: Diarrhea Group I 13:40-14:50 Group II 15:00-16:10 Group III 16:20-17:30		DEAN'S TIME/ Self-Directed Study	
1500	(LE) DEAN'S TIME/ Self-Directed Study	DEAN'S TIME/ Self-Directed Study STAFF (CO) MDL			

Note APG
Visceral Innervation

Review prior material
nervous system A&P

25.4 hours

GI, HEPATOBIILIARY, METABOLISM & NUTRITION

WEEK: 3

	Mon 21 May	Tue 22 May	Wed 23 May	Thur 24 May	Fri 25 May
0730	APG 8:20 Pancreas and Pancreatic Secretion	PARASITOLOGY (MIC/PMB) 7:30- 8:20 GI Parasites I: Protozoans	APG 9:20 GI Accessory Organs (liver and gall-bladder) Histology Laboratory	PARASITOLOGY (MIC/PMB) 7:30- 8:20 GI Parasites II: Nematodes	MILITARY Studies 7:30- 8:20 Op Risk Mgmt 2: Risk Mgmt Tools
0830	APG 9:20 Embryology of Liver and Accessory Organs	MITRE/COYNE (LE) MIC 9:20 Lower GI Infections IV: Viral gastrointestinal infections		MITRE/COYNE (LE) PARASITOLOGY (MIC/PMB) 8:30- 9:20 GI Parasites III: Cestodes, Trematodes	PLA 9:20 GI Drugs I
0930	BORST (LE) BIO 10:20 Synthesis of Lactose, Glycoproteins and Glycolipids	MATTAPALLIL (LE) MIC 10:20 Lower GI Infections V: Enteroviruses	BIO 10:20 Cholesterol and Bile Acid Metabolism	MITRE/COYNE (LE) PAT/MED 10:20 Lab Diagnosis of GI Disorders`	HARMON (LE) PAT 11:20 Pancreas Laboratory Acute Pancreatitis, Chronic Pancreatitis, Pancreatic Adenocarcinoma, Serosus Cystadenoma
1030	GRAHAME (LE) BIO 11:20 Abnormalities of Glycoside Synthesis and Degradation	BRODER (LE) BIO 11:20 Protein Digestion and Amino Acid Absorption	MAYNARD (LE) PAT 11:20 Pancreatic Pathology	(LE) RAD 11:20 Hepatobiliary Imaging	
	GRAHAME (LE)	ROSEMAN (LE)	CONRAN (LE)	PALMA/LATTIN (LE)	STAFF (LA)
1300	ICM III 18:00 Cases: Groups 1 & 2 (2x2.5hr) SIM H&P	ICR 13:30 Diarrhea ICR Cases: Jaundice Group I 14:50 Group II 16:10 Group III 17:30	ICM III 20:30 Cases: Groups 3-5 (3x2.5hr) SIM H&P Groups 1 & 2 DEAN'S TIME/Self-Directed Study	Ultrasound Imaging Gall bladder and biliary tree Group I 13:55 Group II 14:55 Group III 15:55 DEAN'S TIME/ Self-Directed Study	MILITARY Studies Op Tailgate: Practical Exercise Company A 13:50 Company B 14:50 DEAN'S TIME/ Self-Directed Study
1400	Groups 3-5 DEAN'S TIME/Self-Directed Study				
1500		DEAN'S TIME/ Self-Directed Study (CO) MDL			

26.6 hours

GI, HEPATOBIILIARY, METABOLISM & NUTRITION

WEEK: 4

	Mon 28 May	Tue 29 May	Wed 30 May	Thur 31 May	Fri 01 Jun
0730	MEMORIAL DAY	APG 7:30-8:20 Liver and Hepatobiliary Secretion	PAT 7:30-8:40 Coagulation Disorders TBL	MIC 7:30-8:20 Viral Hepatitis	PARASITOLOGY (MIC) 7:30-8:20 Hepatobiliary Parasites: Schistosomes & Flukes
0830		PAT 8:30-9:20 LIVER (LE) Liver Disorders	STAFF (CO) 8:50-9:40 Metabolism of Ethanol	GIAM (LE) 8:30-9:20 Viral Hepatitis	MITRE/DAVIES (LE) 8:30-9:20 Laboratory Diagnosis of Hepatobiliary Disease
0930		CONRAN (Webcast) 9:30-10:20 Pharmacotherapy of Hepatobiliary Disorders	ROSEMAN (LE) 9:50-10:20 MED/ PHA Hepatic Toxins	SMALL GROUP (CO) MDL 9:30-10:20 Red Blood Cell Metabolism	(LE) 9:30-11:20 Liver Laboratory I Viral Hepatitis, Chronic Hepatitis, Alcoholic Liver Disease, Hepatocellular Carcinoma, Chronic Cholecystitis and Cholelithiasis, Biliary Cirrhosis
1030		BIO 10:30-11:20 Blood Plasma Proteins, Coagulation and Fibrinolysis	MED 10:30-11:20 Review of Systems: GI and Hepatobiliary Disorders	GRAHAME (LE) 10:30-11:20 Synthesis and Degradation of Heme	
		GRAHAME (LE)		GRAHAME (LE)	STAFF (LA)
1300		ICR 13:00-13:30 Jaundice	ICM III 13:00-18:00	DEAN'S TIME/Self-Directed Study	ICM III 13:00-20:30
1400		ICR Cases: Abdominal Pain (LE) Group I 13:40-14:50 Group II 15:00-16:10 Group III 16:20-17:30	Cases: Groups 1-3 (3x2.5hr) SIM H&P Groups 4 & 5 DEAN'S TIME/Self-Directed Study		Cases: Groups 4 & 5 (2x2.5hr) SIM H&P Groups 1-3 DEAN'S TIME/Self-Directed Study
1500		DEAN'S TIME/ Self-Directed Study			
		STAFF (CO) MDL			

20.7 hours

GI, HEPATOBILIARY, METABOLISM & NUTRITION

WEEK: 5

	Mon 04 Jun	Tue 05 Jun	Wed 06 Jun	Thur 07 Jun	Fri 08 Jun
0730	MIDTERM EXAM (EX)	SURGERY 7:30-8:20 Peritonitis	PAT 7:30-9:20 Liver Laboratory II Acetaminophen-induced Hepatotoxicity, Hepatic Infantile Hemangioendothelioma, Gaucher Disease, Neonatal Cholestasis	MEM (Military Applied Physiol) 7:30-8:20 Medical Effects of Ionizing Radiation	MILITARY Studies 7:30-8:20
0830		WELLING (LE) SURGERY 8:30-9:20 Surgical Approach to Abdomen		BIO 8:30-9:20 Purine and Pyrimidine Nucleotide Metabolism	CRAIG (LE) BIO 8:30-9:20 Inter-tissue Relationships in Amino Acid Metabolism
0930		WELLING (LE) BIO 9:30-10:20 Eicosanoids	BIO STAFF (LA) 9:30-10:20 Fate of Amino Acid Nitrogen: Urea Cycle	GRAHAME (LE) BIO 9:30-10:20 Disorders of Nucleotide Metabolism	ROSEMAN (LE) PAT 9:30-11:20 Disorders of Red Blood Cells I: Microcytic Hypochromic Anemia, Sickle Cell, Hemolytic, and Normo-cytic Normochromic Anemias
1030		MAYNARD (LE) BIO 10:30-11:20 Synthesis and Degradation of Amino Acids	ROSEMAN (LE) BIO 10:30-11:20 Disorders of the Urea Cycle	GI (Metabolism) 10:30-11:20 GRAHAME (LE) Phenylketonuria	
		ROSEMAN (LE)	ROSEMAN (LE)	TBL (CO)	STAFF (LA)
1300	DEAN'S TIME/Self-Directed Study	ICR 13:00-13:30 Abdominal pain	DEAN'S TIME/Self-Directed Study	MED Abdominal Exam REVIEW Groups 1-23 Assigned Preceptor Group 13:00-13:30	DEAN'S TIME/Self-Directed Study
1400		ICR Cases: Thrombosis and Bleeding Group I 13:40-14:50 Group II 15:00-16:10 Group III 16:20-17:30		MDL/Conf Rms/SIMCEN (LA) DEAN'S TIME/Self-Directed Study	
1500		DEAN'S TIME/ Self-Directed Study (CO) MDL			

4 hours allotted for exam

23.0 hours

GI, HEPATOBIILIARY, METABOLISM & NUTRITION

WEEK: 6

	Mon 11 Jun	Tue 12 Jun	Wed 13 Jun	Thur 14 Jun	Fri 15 Jun
0730	MILITARY Studies 7:30-8:20 Heat and Cold Injuries	BIO 7:30-8:20 Molecular Biology of Metabolism and Metabolic Disorders	GI (Metabolism) 7:30-8:20 Disorders of AA Metabolism I	BIO 7:30-8:20 Molecular Biology of Hematopoietic Disorders II	MILITARY Studies 7:30-8:20 Leadership: Lightning and Electrical Injury
0830	(LE) MILITARY Studies 8:30-9:20 Immersion Hypothermia	BIO (LE) 8:30-9:20 Molecular Biology of Hematopoiesis and Hematopoietic Disorders I	BAUER (LE) GI (Metabolism) 8:30-9:20 Disorders of AA Metabolism II	DUNN (LE) BIO 8:30-9:20 Molecular Biology of Hematopoietic Disorders III	WOODSON (LE) PAT 8:30-9:20 Disorders of White Blood Cells
0930	(LE) PAT 9:30-11:20 Hepatobiliary Disorders I: Jaundice, Hepatitis, Pancreatitis & GI Bleeding, Neoplasms	BIO (LE) 9:30-10:20 THF, Vitamin B12 and SAM	BAUER (LE) PAT 9:30-11:20 Disorders of Red Blood Cells II: Aplastic Anemia, Megaloblastic/Pernicious Anemia, Cerebral Malaria, Lead Poisoning	DUNN (LE) BIO 9:30-10:20 Mechanisms in Blood Glucose Homeostasis	(LE) PAT 9:30-11:20 Disorders of White Blood Cells I: Leukemias (ALL, AML, CML, CLL), Multiple Myeloma, Follicular Lymphoma
1030		BOROWITZ (LE) PHA 11:20 GI Drugs II		ROSEMAN (LE) BIO 10:30-11:20 Hormonal Regulation of Fuel Metabolism	
	SMALL GROUP (CO)	HARMON (LE)	STAFF (LA)	ROSEMAN (LE)	STAFF (LA)
1300	MILITARY Studies Fitness, Diving Physiology and Cold Water Immersion	ICR 13:30 Thrombosis and Bleeding	MILITARY Studies Fitness, Diving Physiology and Cold Water Immersion	DEAN'S TIME/ Self-Directed Study	MILITARY Studies Fitness, Diving Physiology and Cold Water Immersion
1400	Company A 13:00-15:30 Companies B&C Dean's Time	(LE) ICR Cases: Anemia Group I 13:40-14:50 Group II 15:00-16:10 Group III 16:20-17:30	Company B 13:00-15:30 Companies A&C Dean's Time		Company C 13:00-15:30 Companies A&B Dean's Time
1500	(LA) DEAN'S TIME/ Self-Directed Study	DEAN'S TIME/ Self-Directed Study STAFF (CO) MDL	(LA) DEAN'S TIME/ Self-Directed Study		(LA) DEAN'S TIME/ Self-Directed Study

Note APG/PAT
Review of lymph node architecture and myeloid differentiation
Covered in prior module

Note APG/PAT
Review Hematopoiesis, Laboratory Indices
Covered in prior module

25.6 hours

GI, HEPATOBILIARY, METABOLISM & NUTRITION

WEEK: 7

	Mon 18 Jun	Tue 19 Jun	Wed 20 Jun	Thur 21 Jun	Fri 22 Jun
0730	HUMAN CONTEXT 7:30-8:50 Obesity	MEM (Military Applied Physiol) 7:30-8:20 Human Performance Optimization	PAT 7:30-8:20 Disorders of the Spleen	MEM (Military Applied Physiol) 7:30-8:20 Warfighter Nutrition	MILITARY Studies 7:30-8:20 History: Finding the Right Stuff -- The Challenge of Aviation Medicine
0830	PANEL (LE) PHA 9:00-9:50 Pharmacologic Treatment of Hematologic Disorders	PMB (Epid & Biostats) 8:30-9:20 Outbreak Investigations: Introduction	PHA 8:30-9:20 Cancer Chemotherapy I	PMB DELUSTER (LE) 8:30-9:20 Prevention of GI and Hepatic Diseases	GI (Nutrition) 8:30-9:20 Nutritional Disorders: Vitamin Deficiencies
0930	PAT/MED 10:00-10:40 Transfusion Medicine I	OLSEN/PAVLIN (LE) PAT 9:30-11:20 Disorders of White Blood Cells II: Lymphomas (Diffuse large-cell, Sporadic Burkitt-like, Hodgkin, T-cell), Cat-scratch Disease, Langerhans Cell Histiocytosis, Thymoma	HARMON (LE) PHA 9:30-10:20 Cancer Chemotherapy II	ROUSE (LE) PMB (GI Nutrition) 9:30-10:20 Nutrition and Cancer	CONRAN/GRAHAME (LE) GI (Nutrition) 9:30-10:20 Minerals and Micronutrients
1030	PAT/MED 10:50-11:30 Transfusion Medicine II		HARMON (LE) BIO 10:30-11:20 Review of Mechanisms in Fatty Acid Oxidation and Ketone Body Formation/Utilization	BIO (Metabolism) ROUSE (LE) 10:30-11:20 MCAD Deficiency	GI (Nutrition) 10:30-11:20 Obesity
	(LE)		ROSEMAN (LE)	TBL (CO)	TBL (CO)
	STAFF (LA)				
1300	DEAN'S TIME/ Self-Directed Study	ICR 13:30-14:00 Anemias	DEAN'S TIME/Self-Directed Study	PMB (Epid & Biostats) 13:00-14:50 Outbreak Investigation: Foodborne Illness	DEAN'S TIME/Self-Directed Study
1400		DEAN'S TIME/Self-Directed Study			
1500				STAFF (LA) DEAN'S TIME/ Self-Directed Study	

23.2 hours

GI, HEPATOBIILIARY, METABOLISM & NUTRITION

WEEK: 8

	Mon 25 Jun	Tue 26 Jun	Wed 27 Jun	Thur 28 Jun	Fri 29 Jun
0730	PSY(Human Behavior) 7:30-8:20 Eating Disorders	HUMAN CONTEXT 7:30-8:50 Obesity	MILITARY Studies 7:30-8:20 The Great War: Life and Death Through Science (CBRNe)	STUDY DAY	FINAL EXAM
0830	MONEY (LE) 8:30-9:20 Issues in Nutrition, Functional Changes with Bariatric Surgery	SMALL GROUP (CO) GI (Nutrition) 9:00-9:50 Nutrition in Special Populations OB/Pediatrics/Geriatrics (LE) BIO (Metabolism) 10:00-10:50 Protein-Energy Malnutrition	CRAIG (LE) MPS (Med Psych) 8:30-9:20 Psychology and Eating Disorders		
0930	ROTHWELL (LE) 9:30-11:20 Hepatobiliary Disorders II: Cirrhosis, Cholelithiasis, Acute Liver Failure & Hypoglycemia		MPS (Med Psych) 9:30-10:20 Psychology and Obesity		
1030			OSBORNE/SBROCCO (LE) DEAN'S TIME/Self-Directed Study		
	SMALL GROUP (CO)	TBL (CO)			(EX)
1300	DEAN'S TIME/ Self-Directed Study	DEAN'S TIME/Self-Directed Study	DEAN'S TIME/Self-Directed Study		DEAN'S TIME/Self-Directed Study
1400					
1500					

14.8 hours